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2	What is claimed, is:
3	(Currently amended) A method comprising employing a vocabulary of color names in
4	assigning a color name to a pixel in a digital representation, including the steps of:
5	providing said vocabulary of color names with a plurality of color prototypes, each said
6	color prototype having a prototype color name and a corresponding prototype color value;
7	comparing a pixel color value of said pixel to said prototype color value of each color
8	prototype in the vocabulary, and obtaining a color match value for said each color prototype in
9	the vocabulary;
10	determining a closest color match value resulting from said step of comparing; and
11	assigning to said pixel a particular prototype color name corresponding to said closest
12	match value;
12	mater value,
13	forming said vocabulary of color names employing the steps of:
14	obtaining at least one general set of essential color names, each essential color
15	name having a corresponding color value;
16	whereby each color name includes a hue descriptor, brightness modifier, and
17	saturation modifier; and
18	selecting a subset of said at least one general set in meeting an application desire
19	for said vocabulary of color names,
20	wherein the step of obtaining includes starting with a large number of arbitrary color names
21	having corresponding color values and modify said color names through subjective experiments
22	to obtain a general set that models human behavior in color naming.
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23	wherein the step of comparing includes the steps of

Listing of Claims:

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1	computing a color distance in a selected color space between the color value of said pixel
2	and said prototype color value;
3	finding the closest perceptual match to the prototype color value for said color distance;
4	computing an estimate value of perceptual dissimilarity between said closest perceptual
5	match and color value of said pixel; and
6	using said estimate value to modify said color distance, thereby obtaining said color match
7	value
8	wherein the step of determining includes finding the prototype color value having the minimum
9	color naming distance to the color value of said pixel, and further comprising:
10	acquiring a digital representation of a scene; and
11	employing said vocabulary in providing a description of a color composition in said scene.

12 2. - 40. (Canceled)